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Level of Consciousness in the Surgically Disconnected Minor Hemisphere. R. W. SPERRY & ERAN ZAIDEL, California Institute of Technology—Two patients with cerebral commissurotomy were tested with visual input lateralized by an opaque hemifield screen set in an optical system mounted on a scleral contact lens which allowed prolonged exposure and ocular scanning. Audio-visual recordings were analyzed for instructed manual selection and associated emotional responses to affect-laden stimuli inserted among neutral items in visual stimulus arrays with 4 to 9 choices. Reactions obtained from the minor hemisphere to pictures of S's self, public figures, acquaintances, pets, and belongings revealed a characteristic social, political, personal, and self awareness comparable roughly to that of the major hemisphere.